

We Claim:

1. A method for wake-up message detection and selection by an electronic ticket, said ticket including a receiver
5 connected to an antenna and a processor module, a level detector, and a demodulator and digital filter, comprising the steps of:
 - receiving a wake-up message;
 - detecting a level of said wake up message;
 - 10 - determining if said level meets a preselected value;
 - transmitting said wake up message to said demodulator if said level meets said value;
 - determining validity of said wake-up message, within said demodulator, said validity being defined by a
15 modulation scheme;
 - transmitting said wake-up message to said digital filter if said wake-up message is determined as being valid;
 - establishing, within said digital filter, whether a
20 wake-up message has been received for said ticket, said step of establishing comprising the steps of masking parts of said wake-up message, by means of first information contained in a first memory, and determining if said information matches second information contained in a
25 second memory; and
 - activating said processor module if a match is determined between said first and second information.
2. The method according to claim 1, wherein said step
30 of activating said demodulator further comprises the step of activating a first switch.

3. The method according to claim 1, wherein said step of activating said digital filter further comprises the step of activating a second switch.

5 4. The method according to claim 1, wherein said modulating scheme comprises one of a OOK and ASK modulating scheme.

10 5. The method according to claim 1, wherein said mask memory is a mask RAM.

6. The method according to claim 1, wherein said second memory is an ID RAM.

15 7. The method according to one of the claim 1, wherein said wake-up messages are modulated according to an On-Off Keying method and said wake-up messages are seamlessly transmitted without frame synchronization.

20 8. The method according to claim 1, further comprising the step of, after said step of activating, modifying said first and second information via said processor module.

25 9. The method according to claim 8, wherein said step of modifying said first and second information is performed in accordance with other information contained in said wake-up message.

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